

<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">031704</div> <div style="text-align: center;"> UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity) <i>(Only for new nonprovisional applications under 37 CFR 1.53(b))</i> </div> <div style="border: 1px solid black; padding: 2px; text-align: center;"> Docket No. MXIC-P910312 </div> </div> <div style="border: 1px solid black; padding: 2px; text-align: center; margin-top: 5px;"> Total Pages in this Submission </div>	
TO THE COMMISSIONER FOR PATENTS Mail Stop Patent Application P.O. Box 1450 Alexandria, VA 22313-1450	
Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:	
<div style="border: 1px solid black; padding: 5px; min-height: 40px;"> TUNNELING DIODE MAGNETIC JUNCTION MEMORY </div>	
and invented by:	
<div style="border: 1px solid black; padding: 5px; min-height: 40px;"> HSIANG-LAN LUNG RUICHEN LIU </div>	
<p>If a CONTINUATION APPLICATION, check appropriate box and supply the requisite information:</p> <p> <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No.: _____ </p> <p>Which is a:</p> <p> <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No.: _____ </p> <p>Which is a:</p> <p> <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No.: _____ </p>	
<p>Enclosed are:</p> <p style="text-align: center;">Application Elements</p>	
<p>1. <input type="checkbox"/> Filing fee as calculated and transmitted as described below</p> <p>2. <input checked="" type="checkbox"/> Specification having <u>17</u> pages and including the following:</p>	
<p>a. <input checked="" type="checkbox"/> Descriptive Title of the Invention</p> <p>b. <input type="checkbox"/> Cross References to Related Applications <i>(if applicable)</i></p> <p>c. <input type="checkbox"/> Statement Regarding Federally-sponsored Research/Development <i>(if applicable)</i></p> <p>d. <input type="checkbox"/> Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix</p> <p>e. <input checked="" type="checkbox"/> Background of the Invention</p> <p>f. <input checked="" type="checkbox"/> Brief Summary of the Invention</p> <p>g. <input checked="" type="checkbox"/> Brief Description of the Drawings <i>(if filed)</i></p> <p>h. <input checked="" type="checkbox"/> Detailed Description</p> <p>i. <input checked="" type="checkbox"/> Claim(s) as Classified Below</p> <p>j. <input checked="" type="checkbox"/> Abstract of the Disclosure</p>	

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Total Pages in this Submission

Application Elements (Continued)

3. ☒ Drawing(s) (when necessary as prescribed by 35 USC 113)

a. ☒ Formal Number of Sheets 10
b. ☐ Informal Number of Sheets _____

4. ☒ Oath or Declaration

a. ☒ Newly executed (original or copy) ☐ Unexecuted
b. ☐ Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional application only)

c. ☒ With Power of Attorney ☐ Without Power of Attorney

- d. ☐ DELETION OF INVENTOR(S)

Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b).

5. ☐ Incorporation By Reference (usable if Box 4b is checked)

The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

6. ☐ CD ROM or CD-R in duplicate, large table or Computer Program (Appendix)

7. ☐ Application Data Sheet (See 37 CFR 1.76)

8. ☐ Nucleotide and/or Amino Acid Sequence Submission (if applicable, all must be included)

a. ☐ Computer Readable Form (CRF)

b. ☐ Specification Sequence Listing on:

i. ☐ CD-ROM or CD-R (2 copies); or

ii. ☐ Paper

c. ☐ Statement(s) Verifying Identical Paper and Computer Readable Copy

Accompanying Application Parts

9. ☒ Assignment Papers (cover sheet & document(s))

10. ☐ 37 CFR 3.73(B) Statement (when there is an assignee)

11. ☐ English Translation Document (if applicable)

12. ☐ Information Disclosure Statement/PTO-1449 ☐ Copies of IDS Citations

13. ☐ Preliminary Amendment

14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)

15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)

16. ☒ Certificate of Mailing

☐ First Class ☒ Express Mail (Specify Label No.): EL984828456US

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Accompanying Application Parts (Continued)

17. ☐ Additional Enclosures *(please identify below):*

Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)

18. ☐ Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.

Warning

An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.

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Total Pages in this Submission

Fee Calculation and Transmittal

CLAIMS AS FILED

For	#Filed	#Allowed	#Extra	Rate	Fee
Total Claims	22	- 20 =	2	x \$18.00	\$36.00
Indep. Claims	4	- 3 =	1	x \$86.00	\$86.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
BASIC FEE					\$740.00
OTHER FEE (specify purpose) _____					\$0.00
TOTAL FILING FEE					\$862.00

- ☐ A check in the amount of _____ to cover the filing fee is enclosed.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. **50-1600** as described below.
- ☒ Charge the amount of **\$776.00** as filing fee.
 - ☒ Credit any overpayment.
 - ☒ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
 - ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).



Signature

Dated: March 17, 2004

Kenton R. Mullins
Stout, Uxa, Buyan & Mullins, LLP
4 Venture, Suite 300
Irvine, CA 92618

cc:

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application:	/	
Lung et al.	/	BOX PATENT APPLICATION
	/	
Filed: Herewith	/	
	/	
For: TUNNELING DIODE MAGNETIC	/	
JUNCTION MEMORY	/	
<hr/>		

EXPRESS MAIL MAILING LABEL NO. **EL984828456US**

Date of Deposit: **March 17, 2004**

I hereby certify that the following documents as identified below are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under CFR 1.10 on the date indicated above and are addressed to: Box: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450:

1. Return Receipt postcard;
2. Transmittal letter;
3. Specification/Claims/Abstract 17 pages;
4. 10 sheets of formal drawings;
5. Recordation Sheet and Assignment;
6. Declaration for Patent Application,

Each of the 6 above-identified documents are enclosed herewith.

Respectfully submitted,



Kenton R. Mullins
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